

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)ATTY DOCKET NO.
169/MU-1296/P9558-04SERIAL NO.
09/244,037APPLICANT
Mitsuaki OSHIMA et al.FILING DATE
February 4, 1999GROUP
2774 2734

Date Submitted to PTO: April 22, 1999

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JS	AA	5,282,019	1-25-94	Basile et al.	—	—	
JS	AB	5,311,547	5-10-94	Wei	—	—	
JS	AC	5,267,021	11-30-93	Ramchandran et al.	—	—	
JS	AD	5,038,219	8-6-91	Yamashita et al.	—	—	
JS	AE	5,105,442	4-14-92	Wei	—	—	
	AF	5,087,975	2-11-92	Citta et al.	—	—	
	AG	5,086,340	2-4-92	Citta et al.	—	—	
	AH	5,142,353	8-25-92	Kageyama et al.	—	—	
	AI	5,197,061	3-23-93	Halbert-Lassalle et al.	—	—	
	AJ	5,291,289	3-1-94	Hulyalkar et al.	—	—	
	AK	5,166,924	11-24-92	Moose	—	—	
JS	AL						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
JS	AM	0506400A2	9-30-92	Europe	—	—	
JS	AN	0448492A1	9-25-91	Europe	—	—	

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

JS	AO	Khaled Fazel et al., Combined multilevel coding and multiresolution modulation, February 8, 1993, Pages 1081-1085					
JS	AP	P. Hoehner et al., Performance of an RCPC-Coded OFDM-based Digital Audio Broadcasting (DAB) System, IEEE Global Telecommunications Conference "Globecom '91", December 2-5, 1991, Vol. 1 of 3, Pages 2.1.1 - 2.1.7					
JS	AQ	K. M. Uz et al., Combined multiresolution source coding and modulation for digital broadcast of HDTV*, 1992, Pages 283-292					

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
US	AG	0485108A2	5-13-92	Europe	—	—	
US	AH	0525641A2	2-3-93	Europe	—	—	
US	AI	0540231A2	5-5-93	Europe	—	—	
US	AJ	0531046A2	3-10-93	Europe	—	—	
US	AK	85/04541	10-10-85	WO	—	—	
	AL						
	AM						
	AN						
	AO						

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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

US	AP	K. M. Uz et al., Multiresolution Source and Channel Coding for Digital Broadcast of HDTV, 1992, Pages 61-69.
US	AQ	Nambi Seshadri et al., Multi-Level Block Coded Modulations with Unequal Error Protection for the Rayleigh Fading Channel, Vol. 4, No. 3, May-June 1993, Pages 325-334.

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	AB						

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	AC						
	AD						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

WSD	AE	William F. Schreiber, Spread-Spectrum Television Broadcasting, SMPTE Journal, August 1992, Pages 538-549.					
	AF	Martin Vetterli et al., Multiresolution Coding Techniques for Digital Television: A Review, Multidimensional Systems and Signal Processing, Volume 3, May 1992, Pages 161-187.					
	AG	Ezio Biglieri et al., Introduction to Trellis-Coded Modulation with Applications, April 6, 1992, Pages 173-207.					
	AH	English Language Abstract of European Patent No. 93 30 7575					
	AI	Kazuhiko Nitadori, Synthesis of Multichannel Orthogonal VSB Signals by Quadrature Method, 1976 International Conference on Communications, June 14-16, 1976, Volume 1, Pages 3-25 - 3-29.					
WSD	AJ	Thomas M. Cover, Broadcast Channels, IEEE Transactions on Information Theory, January 1972, Pages 2-14					
	AK						
	AL						
	AM						

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AS	AA	5,398,073	3-14-95	Wei			
AS	AB	5,452,015	9-19-95	Hulyalkar			
	AC	5,565,932	10-15-96	Gitta et al.			
	AD	5,481,412	1-2-96	Bannai et al.			
	AE	3,909,721	9-30-75	Bussgang et al.			
	AF	4,227,152	10-7-80	Godard et al.			
	AG	4,525,846	6-25-85	Bremer et al.			
	AH	4,751,478	6-14-88	Yoshida			
AS	AI	4,891,806	1-2-90	Farias et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
AS	AJ	0282298	9-14-88	Europe			X
AS	AK	0392538	10-17-90	Europe			X
AS	AL	0490552	6-17-92	Europe			X
	AM						
	AN						

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AS	AA	4,903,125	2-20-90	Parker		—	
AS	AB	4,937,844	6-26-90	Kao		—	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

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